Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-36. Cancelled.

37. (Currently amended) A subscriber unit comprising:

a wireless transceiver configured to provide wireless communications of digital signals over a digital communications path in a wireless CDMA system; and

a bandwidth manager coupled to said wireless transceiver and configured to receive over the digital communications path a time slot assignment from a remote wireless transceiver;

said wireless transceiver configured to transmit an ~~gated~~ idle mode signal over the digital communications path based upon the time slot assignment during an idle mode connection wherein said wireless transceiver is powered on but not actively sending data so that the remote wireless transceiver can maintain timing alignment.

38. (Currently amended) A subscriber unit according to Claim 37 wherein the remote wireless transceiver maintains a code phase lock with said wireless transceiver based upon the ~~gated~~ idle mode signal.

39. (Currently amended) A subscriber unit according to Claim 37 wherein

the ~~gated~~ idle mode signal comprises a timing marker indicative of a reference point for generation of timing correction information.

40. (Previously presented) A subscriber unit according to Claim 39 wherein the timing marker comprises a pilot symbol.

41. (Previously presented) A subscriber unit according to Claim 39 wherein the timing marker comprises a short code.

42. (Currently amended) A subscriber unit according to Claim 37 wherein said bandwidth manager is configured to receive over the data communications path an updated time slot assignment when a subsequent ~~gated~~ idle mode signal is to be transmitted.

43. (Currently amended) A CDMA mobile terminal comprising:

a wireless transceiver configured to provide wireless communications of digital signals over a digital communications path in a wireless CDMA system, including transmission of a synchronization signal to establish a communications session with a CDMA base station; and

a bandwidth manager coupled to said wireless transceiver and configured to

allocate subchannels on an as needed basis when said wireless transceiver is actively sending data, and

receive over the digital communications path a time slot assignment from the CDMA base station for transmitting a ~~gated idle mode~~ synchronization signal;

said wireless transceiver configured to transmit the ~~gated idle mode~~

synchronization signal over the digital communications path based upon the time slot assignment during an idle mode connection wherein said wireless transceiver is powered on but not actively sending data so that the remote wireless transceiver can maintain timing alignment.

44. (Currently amended) A CDMA mobile terminal according to Claim 43 wherein the CDMA base station maintains a code phase lock with said wireless transceiver based upon the ~~gated idle mode~~ synchronization signal.

45. (Currently amended) A CDMA mobile terminal according to Claim 43 wherein the ~~gated idle mode~~ synchronization signal comprises a timing marker indicative of a reference point for generation of timing correction information.

46. (Previously presented) A CDMA mobile terminal according to Claim 45 wherein the timing marker comprises a pilot symbol.

47. (Previously presented) A CDMA mobile terminal according to Claim 45 wherein the timing marker comprises a short code.

48. (Currently amended) A CDMA mobile terminal according to Claim 43 said bandwidth manager is configured to receive over the data communications path an updated time slot assignment on when a subsequent ~~gated idle mode~~ synchronization signal is to be transmitted.

49. (Currently amended) A subscriber unit comprising:

a wireless transceiver configured to provide wireless communications of

digital signals over a digital communications path in a wireless CDMA system, the digital signals being communicated using at least one radio frequency channel; and

a bandwidth manager coupled to said wireless transceiver and configured to make available a plurality of subchannels within each radio frequency channel, and to allocate the available subchannels on an as-needed basis with the number of subchannels changing during a given session;

said wireless transceiver configured to transmit an ~~gated~~ idle mode signal in an available subchannel over the digital communications path during an idle mode connection wherein said wireless transceiver is powered on but not actively sending data.

50. (Currently amended) A subscriber unit according to Claim 49 wherein said bandwidth manager is configured to receive over the digital communications path a time slot assignment from a remote wireless transceiver; and

wherein said wireless transceiver is configured to transmit the ~~gated~~ idle mode signal over the digital communications path during the idle mode connection based upon the time slot assignment so that the remote wireless transceiver can maintain timing alignment.

51. (Currently amended) A subscriber unit according to Claim 50 wherein the ~~gated~~ idle mode signal comprises a timing marker indicative of a reference point for generation of timing correction information.

52. (Currently amended) A subscriber unit according to Claim 49 wherein said bandwidth manager is configured to receive over the digital communications path a power control message from a remote wireless transceiver, and to compute a

power level corresponding to the power control message for the ~~gated~~ idle mode signal; and

wherein said wireless transceiver is configured to transmit the ~~gated~~ idle mode signal over the digital communications path during the idle mode connection at the computed power level to the remote wireless transceiver so that power control is maintained.

53. (Currently amended) A subscriber unit according to Claim 49 wherein said wireless transceiver transmits the ~~gated~~ idle mode signal at predetermined intervals.

54. (Currently amended) A subscriber unit according to Claim 49 wherein said bandwidth manager is configured to select an idle mode signal spreading code; and

wherein said wireless transceiver is configured to transmit the ~~gated~~ idle mode signal comprising the spreading code information over the digital communications path during the idle mode connection so that a code phase lock is maintained with a remote wireless transceiver.

55. (Currently amended) A subscriber unit according to Claim 54 wherein said wireless transceiver transmits the ~~gated~~ idle mode signal at a rate that maintains the code phase lock over the digital communications path.

56. (Currently amended) A subscriber unit comprising:

a wireless transceiver configured to provide wireless communications of digital signals over a digital communications path in a wireless CDMA system;

a bandwidth manager coupled to said wireless transceiver and configured to receive over the digital communications path a time slot assignment and a power control message from the remote wireless transceiver;

said bandwidth manager configured to compute a power level corresponding to the power control message, and to select an idle mode signal spreading code; and

said wireless transceiver configured to transmit an ~~gated~~ idle mode signal to the remote wireless transceiver over the digital communications path based upon the time slot assignment during an idle mode connection wherein said wireless transceiver is powered on but not actively sending data so that power control is maintained, a code phase lock is maintained, and timing alignment is maintained with the remote wireless transceiver.

57. (Currently amended) A subscriber unit according to Claim 56 wherein the ~~gated~~ idle mode signal comprises a timing marker indicative of a reference point for generation of timing correction information.

58. (Currently amended) A new subscriber according to Claim 56 wherein said wireless transceiver transmits the ~~gated~~ idle mode signal at predetermined intervals.

59. (Currently amended) A new subscriber unit according to Claim 56 wherein said wireless transceiver transmits the ~~gated~~ idle mode signal at a rate that maintains the code phase lock over the digital communications path.

60. (New) A subscriber unit according to Claim 37 wherein the idle mode signal is a continuous idle mode signal.

61. (New) A subscriber unit according to Claim 37 wherein the idle mode signal is a gated idle mode signal.

62. (New) A CDMA mobile terminal according to Claim 43 wherein the synchronization signal is a continuous synchronization signal.

63. (New) A CDMA mobile terminal according to Claim 43 wherein the synchronization signal is a gated synchronization signal.

64. (New) A subscriber unit according to Claim 49 wherein the idle mode signal is a continuous idle mode signal.

65. (New) A subscriber unit according to Claim 49 wherein the idle mode signal is a gated idle mode signal.

66. (New) A subscriber unit according to Claim 56 wherein the idle mode signal is a continuous idle mode signal.

67. (New) A subscriber unit according to Claim 56 wherein the idle mode signal is a gated idle mode signal.